

# MET DATA CORRECTION SHEET FOR MORTARS

For use of this form, see FM 3-22.91; the proponent agency is TRADOC.

COMMAND DATA			MET MESSAGE			
CHARGE	CHART RANGE	ELEVATION	TYPE	STATION	DATE	
ALT OF MORTARS (m)			TIME	ALT MDP	LINE NUMBER	
ALT OF MDP			WIND DIRECTION	WIND VELOCITY	AIR TEMP	AIR DENSITY
ABOVE + SECTION MDP $\Delta$ H BELOW -		+	$\Delta$ H CORRECTIONS		$\Delta^T$ +	$\Delta^D$ +
		-	CORRECTED VALUES			

## WIND COMPONENTS AND DEFLECTION CORRECTION

WHEN DIRECTION OF WIND IS LESS THAN DIRECTION OF FIRE ADD	6400	
DIRECTION OF WIND		
DIRECTION OF FIRE		
CHART DIR OF WIND		

CROSS WIND  $\frac{\text{VELOCITY}}{\text{VELOCITY}}$  X  $\frac{L}{R}$  COMPONENT =  $\frac{L}{R}$  LATERAL WIND KNOTS X  $\frac{\text{CORR FACTOR}}{\text{CORR FACTOR}}$  = DEFLECT CORR  
 RANGE WIND  $\frac{\text{VELOCITY}}{\text{VELOCITY}}$  X  $\frac{T}{H}$  COMPONENT =  $\frac{T}{H}$  RANGE WIND KNOTS

## MET RANGE CORRECTIONS

	KNOWN VALUE	STANDARD VALUES	VARIATION FROM STANDARDS	UNIT CORRECTIONS	PLUS	MINUS
POWDER TEMP	$\Delta V$ -	0	D I			
RANGE WIND	T H	0	T H			
AIR TEMP		100	D I			
AIR DENSITY		100	D I			
WT OF PROJECTILE	$\square$	2 $\square$	D I			

## MET CORRECTION TO APPLY

TOTAL

	DEFL	RANGE	
LAST MESSAGE	L R	+ -	RANGE CORR
THIS MESSAGE	L R	+ -	
CORR TO APPLY	L R	+ -	